



## NCDOT Prioritization 3.0 Project Summary

**SPOT ID:** H090127

**Mode:** Highway

**Status:** Submitted

### US-64, NC-90

**From/Cross Street:** NC 18 in Caldwell County

**Specific Improvement Type:** 16 - Modernize Roadway

**To:** SR 1313 (Three Forks Church Road)

**Project Category:** Regional Impact

**Length:** 18.2

**TIP#:** R-2550

**Fully Funded in Draft STIP?** No

**Cost to NCDOT:** \$25,422,000

#### Description:

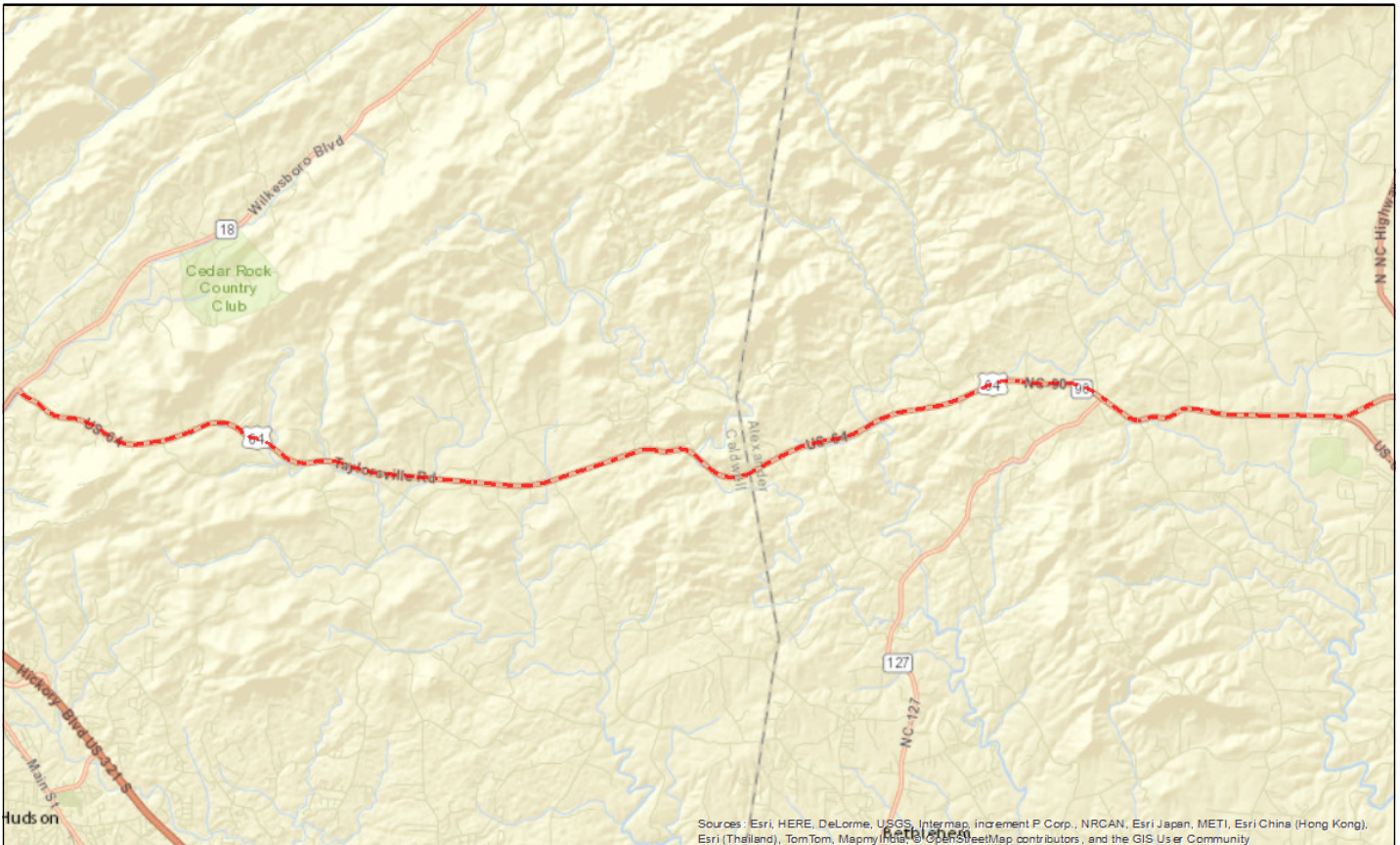
NC 18 in Caldwell County to West of SR 1313 (Three Forks Church Road) in Alexander County. Upgrade 2 Lane Roadway.

**Division(s):** Division 11, Division 12

**County(s):** CALDWELL, ALEXANDER

**MPOS(s)/RPO(s):** Unifour RPO, Greater Hickory MPO

### Project Location



Sources: Esri, HERE, DeLorme, USGS, Intermap, increment P Corp., NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, MapmyIndia, © OpenStreetMap contributors, and the GIS User Community

**Statewide Mobility Total Score: 0**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
<b>Totals: Weight: 0% Weighted Score: 0</b>	N/A	N/A

**Regional Impact Total Score: 16.02**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Accessibility / Connectivity (10%) 14.50	Percent: 15% Points: 0	Percent: 15% Points: 32
Congestion (V/C) (25%) 19.23		
Safety (10%) 49.62		
[Travel Time] Benefit/Cost (25%) 0.00		
<b>Totals: Weight: 70% Weighted Score: 11.22</b>		

**Division Needs Total Score: 25.56**

Quantitative Score	Division Engineer Local Input Points	MPO/RPO Local Input Points
Congestion (V/C) (20%) 19.23	Percent: 25% Points: 0	Percent: 25% Points: 67
Safety (10%) 49.62		
[Travel Time] Benefit/Cost (20%) 0.00		
<b>Totals: Weight: 50% Weighted Score: 8.81</b>		

**Project Data \*****Existing Conditions**

Existing Cross-Section:	
Speed Limit:	54
Length (miles):	18.2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
Terrain Type:	Rolling
Lane Width:	12
Paved Shoulder Width:	1
Roadway has Curb & Gutter?	No
Volume (AADT):	4503.97
Capacity:	15505.82
Volume/Capacity Ratio:	0.29
% Autos:	90%
% Trucks:	10%
Truck Volume:	457.56
Crash Density:	57.28
Crash Severity:	44.87
Critical Crash Rate:	46.71
Crash Frequency:	0
Severity Index:	0
County Tier Designation:	1
Non-Interstate STRAHNET Route?	No
Average Commuting Time:	25
Existing Median Type (for Cost Estimation):	Undivided
Pavement Condition Rating:	87
Actual Congested Speed:	51.88
Travel Time Index:	1.04

**Project Benefits**

Project Cross-Section:	
Speed Limit:	54
Length (miles):	18.2
Facility Type:	Two Lane Highway
Access Control:	None
Functional Classification:	Minor Arterial
TerrainType:	Rolling
DOT Design Lane Width:	12
DOT Design Paved Shoulder Width:	2
Travel Time Savings for 30 Years (Total):	0
Travel Time Savings for 30 Years (Autos):	0
Travel Time Savings for 30 Years (Trucks):	0
Long-Term Employment:	
% Change in Economy:	
Provides Direct Connection to Transportation Terminal?	No
Does project upgrade how the roadway functions?	No
In CTP or LRTP?	
CTP/LRTP Name:	
CTP/LRTP Completion Year:	
Submitted by:	Division 11

\* Data reflects calculations which include weighted averages (where applicable) and represent raw output from the Department's SPOT On!ine tool and associated databases.

**Project Ownership****Division**

<b>Division</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Division 11	54%	0	0
Division 12	46%	0	0
	0%	0	0
<b>TOTAL Division Points</b>		<b>0</b>	<b>0</b>

**MPO/RPO**

<b>MPO/RPO</b>	<b>Percent</b>	<b>Regional Impact</b>	<b>Division Needs</b>
Unifour RPO	67%	32	67
Greater Hickory MPO	33%	0	0
	0%	0	0
<b>TOTAL MPO/RPO Points</b>		<b>32</b>	<b>67</b>

**Project Cost and Source**

Construction Cost:	\$25,422,000	TIP Unit
Right-of-Way Cost:	\$0	Cost Estimation Tool
Utilities Cost:	\$0	Cost Estimation Tool
Total Project Cost:	\$25,422,000	
Other Funding:	\$0	None
<b>Cost to NCDOT :</b>	<b>\$25,422,000</b>	